

SWAC C&D Subcommittee Meeting

MassDEP Bureau of Air & Waste

October 26, 2017: 10:00 AM – 12:00 AM

One Winter Street, Boston



Agenda

- Welcome/Introductions
- C&D Action Plan Survey Responses
- CY2016 C&D Facility Annual Report Summary Data
- Announcements
- Next Steps/Closing

C&D Action Plan Survey Responses

Q1 – *What C&D materials should be prioritized in the next C&D Action Plan?*

- Wood (8)
 - dirty/painted wood to clean wood
- Asphalt shingles (2)
- Gypsum/sheetrock (2)
- Others:
 - C&D Fines/Residuals/BUD Materials (by-product, not a material)
 - Carpets/mattresses
 - Out-of-State Transfers
 - Nuclear waste

C&D Action Plan Survey Responses

Q2 – *What can be done to identify and attract new recycling end markets for priority C&D materials?*

- Establish in-state biomass market for wood (5)
 - Encourage the creation of a nearby energy plant using C&D biomass as a fuel
 - Have a strong renewable portfolio standard that mandates biomass
 - Permit additional capacity to manage C&D wood generated by C&D processing facilities (landfill-dependent use is not recycling)
- Encourage MassDOT to allow use of RAS in roads (2)
- Others:
 - Consider unorthodox uses for C&D Fines
 - Relax restrictions/remove regulatory barriers on painted ABC, demo gypsum and other demo materials
 - Impose fees on transferred out-of-state materials
 - Offer tax free status

C&D Action Plan Survey Responses

Q3 – *How can compliance with existing C&D material waste bans be improved? Are existing waste ban materials (i.e. asphalt, brick, concrete [ABC]; wood, metal, new gypsum wallboard) being diverted effectively? Are there additional C&D waste materials we should consider banning?*

- Unless reliable, sustainable, local markets are developed, no new bans (5)
 - waste bans can be self-enforced when there are attractive and plentiful outlets
 - Work with MA DOT to use materials such as asphalt
 - Put diversion into MA DCAM bid specs (e.g. gypsum)
- Prevent out-of-state transfer by rail or truck, undermines credibility of bans (3)
 - Impose fees
 - Restrict rail haul facilities to ship only processed material
- Existing waste bans are working (3)
 - Except for demo wood
 - Enforce existing waste bans
 - Haulers/Generators need to be held accountable
- Others:
 - Remove the bans

C&D Action Plan Survey Responses

Q4 – *How can waste management strategies be encouraged/expanded at the jobsite to increase recycling and reuse (e.g. source separation, deconstruction, materials reuse, etc.)?*

- Offer state funds for the programs (3)
 - Cost of labor is what hurts source separation.
- Mandate all large construction/demo projects to require source separation (2)
- Education (2)
 - More education for contractors
- Others:
 - Pilot/demonstration of source separation studies
 - Encourage better dumpster management: e.g. signage, color coding, consistent collection strategies, small dumpster pickup
 - Cost reduction strategies: cheaper price for sheetrock cans; easier access to reuse companies for windows, doors, etc.;
 - Except for gypsum drywall, no need for source separation of C&D materials
 - Not economically feasible, should only be used for high-value products such as old-growth wood and pre-WWII brick
 - Haulers are not onboard; will not work

C&D Action Plan Survey Responses

Q5 – *How can adoption of green building standards and sustainable construction practices be used to encourage greater recycling and reuse of C&D materials?*

- Implementation of LEED v4 will help (3)
 - Source separation requirements
 - Recycled material content in products requirements
 - Translates to additional capacity if the standards are regulated and enforced
- LEED recycling credits are: problematic to meet, not economically feasible, difficult to impossible to perform (3)
- Education (2)
 - More education for contractors, developers, architects
- Others:
 - MassDEP could adopt LEED
 - Offer state funds
 - Give credits, implement diversion rates

C&D Action Plan Survey Responses

Q6 – *How can manufacturers of construction products be encouraged to adopt more product take-back and recycling programs?*

- By regulation and enforcement (4)
 - Require manufacturers to take back product with no recycling/reuse value
- Tax credits and other incentives (4)
 - Work with industry trade groups on product stewardship initiatives
- Other
 - Some materials, such as drywall, have little value, not worth reintegrating into the product stream

C&D Action Plan Survey Responses

Q7 – *How can MassDEP better leverage its authority, the work of other government agencies, or other program tools to recycle and reuse more C&D materials (e.g. regulation, policy, compliance & enforcement, permitting, the Recycling Loan Fund, Recycling Business Development Grants, municipal authority, building code)?*

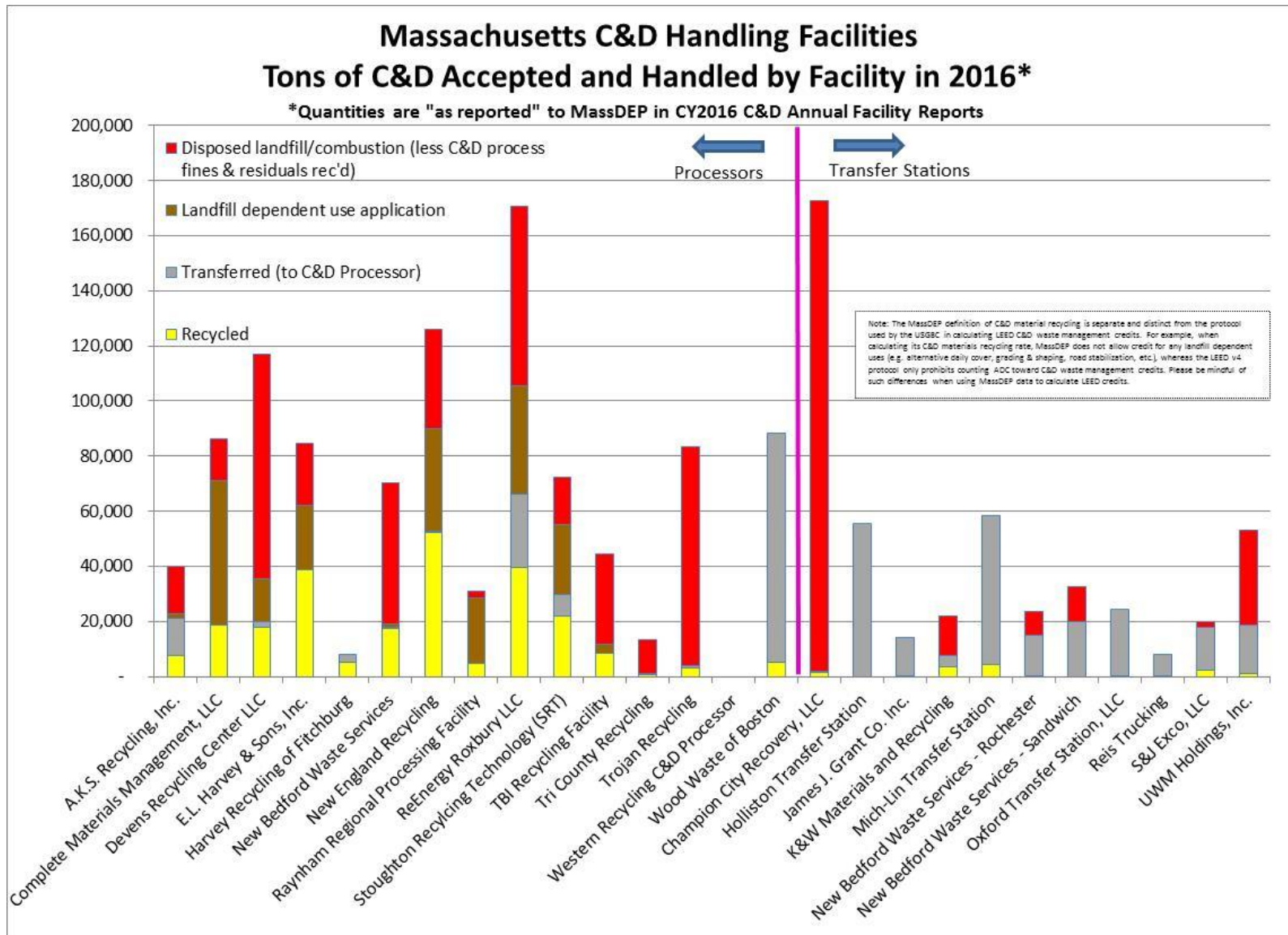
- Work with MassDOT to allow asphalt shingles into roadbase (3)
 - Only in the basecoat/binder
 - Get buy-in from the EEA Secty. to push it at the Cabinet level
- Better compliance and enforcement (3)
- Others:
 - Leverage MassDEP authority to allow construction of an energy generation facility that uses C&D biomass
 - Offer a state grant to a municipality to open a waste to energy plant at a landfill
 - Ease permit specs for projects that will use or convert recycled materials
 - Improve reporting: stop allowing deduction of transferred materials; require separate reporting of mixed C&D waste recovered
 - Impose fees on transferred out-of-state materials

C&D Action Plan Survey Responses

Q8 - *Please share any other comments or suggestions you have on the subject?*

- The success of the C & D recycling infrastructure is dependent on sound supportive cooperation of all involved (2)
 - Listen to industry concerns and work together to solve their common issues
- Others:
 - Focus on Markets followed by enforcement of existing regulation
 - Single biggest challenge for all C & D processing facilities in Massachusetts is finding in-state homes for C & D Residuals
 - Offer state funds or tax credits – 1
 - Have a summary on your website of every facility's commingled recycling rate

CY2016 C&D Facility Annual Report Summary Data



CY2016 C&D Facility Annual Report Summary Data

Revisions to back-up data table

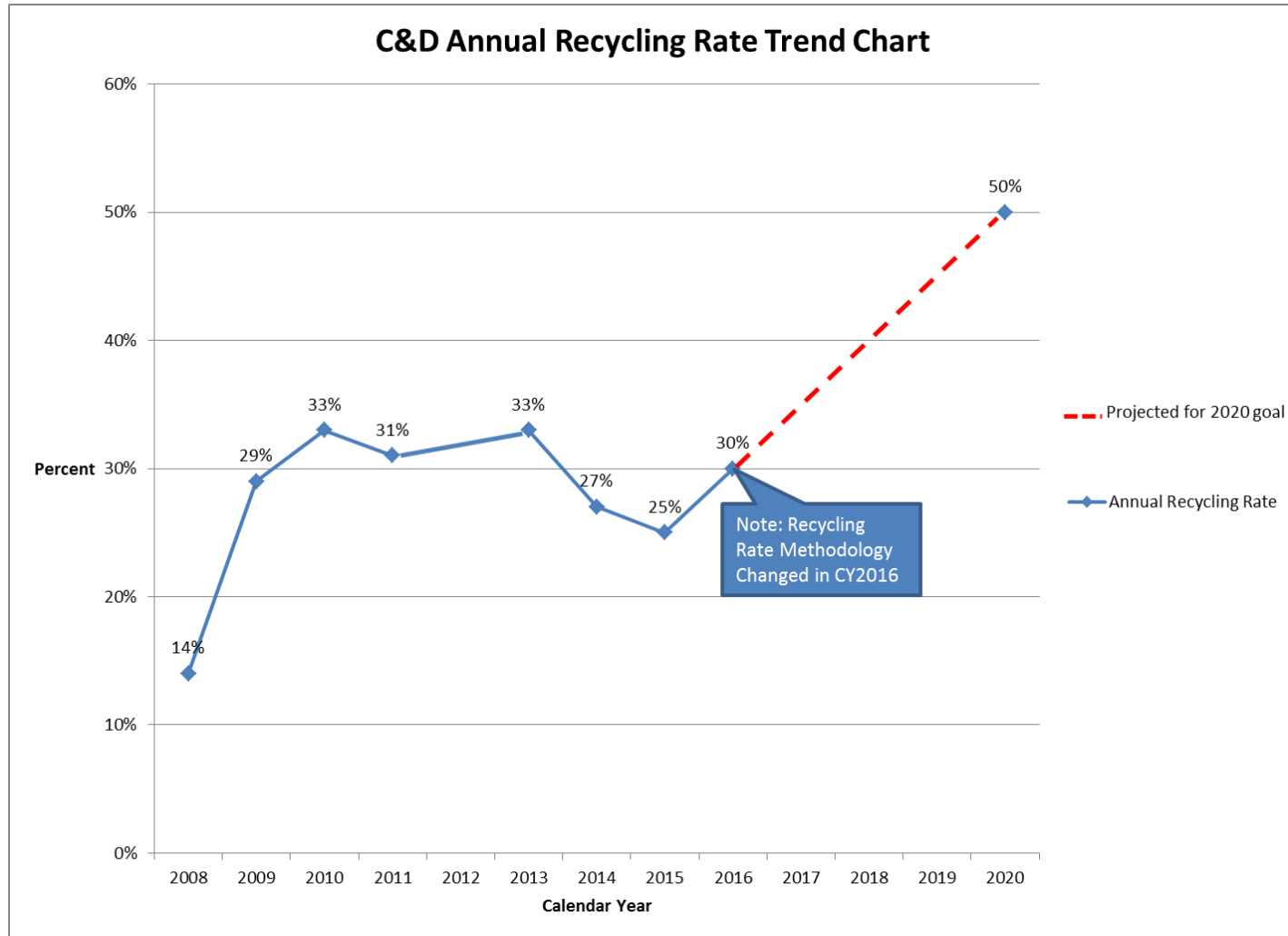
Inbound Cat-1 Mixed C&D Waste	Inbound Source Separated Material (SSM)	Inbound Cat-2 Processed Fines & Residuals	Inbound Cat-3 Bulky/DTM
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C&D Waste Handled by the facility = Sum(Cat-1 Mixed C&D Waste + SSM) less Transferred	Recycled
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Landfill Alternative Daily Cover (ADC)	Landfill Road Base Stabilization	Landfill Shaping-Grading	Landfill dependent use application = Sum (ADC, Roadbase, Shaping-Grading)
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- Added break-out of inbound categories
- Revised recycling rate method
- Added break-out of LDU categories

CY2016 C&D Facility Annual Report Summary Data



Announcements

Status of YR2017 Recycling Business Development Grant Applications

- 12 Applications Received
 - 6 under C&D Category
- Review process not yet completed
- Awards will be announced soon

Other Announcements?

Next Steps/Closing

For More Information:

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